

## WHAT IS CLAIMED IS:

1. A powder material for forming an abradable coating, the material comprising a metal powder based for the most part on aluminum and containing manganese or calcium.
- 5 2. A material according to claim 1, wherein the manganese or calcium of said metal powder represents 5% to 20% by weight of said metal powder.
- 10 3. A material according to claim 1, further comprising an organic powder.
4. A material according to claim 3, wherein said organic powder represents 5% to 15% of the total weight of said  
15 material.
5. A material according to claim 3, wherein said organic powder comprises any one of the following components: polyester, polymethyl acrylate, and polyimide.
- 20 6. A material according to claim 1, further comprising a ceramic powder.
7. A material according to claim 6, wherein said ceramic  
25 powder represents 5% to 20% of the total weight of said material.
8. A material according to claim 6, wherein said ceramic powder comprises any one of the following components:  
30 boron nitride, molybdenum disulfide, graphite, talc, bentonite, and mica.
9. A material according to claim 1, wherein said metal powder further comprises one or more of the following  
35 additional elements: chromium, molybdenum, nickel, silicon, and iron.

10. A material according to claim 9, wherein the additional element(s) of said metal powder represents not more than 10% of the weight of said metal powder.
- 5 11. A material according to claim 1, wherein said metal powder represents 65% to 90% of the total weight of said material.
- 10 12. A material according to claim 1, wherein said metal powder is an AlMn5 alloy.
13. A material according to claim 12, further comprising hexagonal boron nitride and polyester..
- 15 14. A material according to claim 13, wherein said AlMn5 alloy represents 75% of the total weight of the material, said hexagonal boron nitride represents 15% of the total weight of material, and said polyester represents 10% of the total weight of the material.
- 20 15. An abradable coating for a seal, the coating being obtained by thermal sputtering of a powder material according to claim 1.